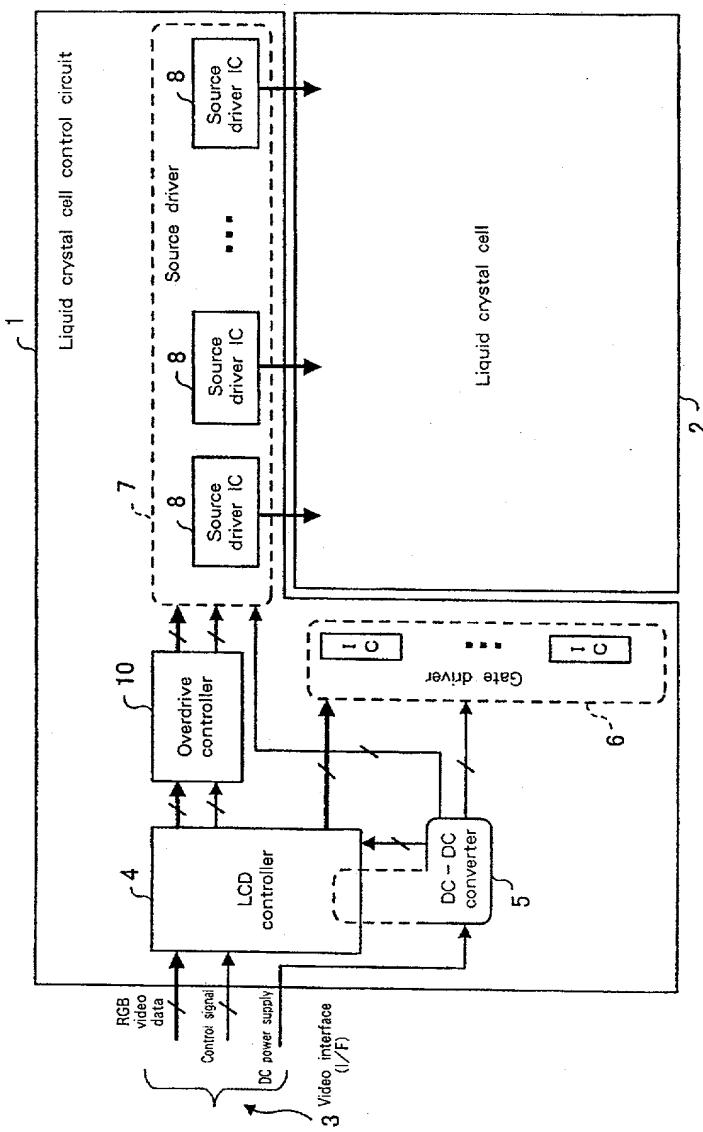


Fig. 1



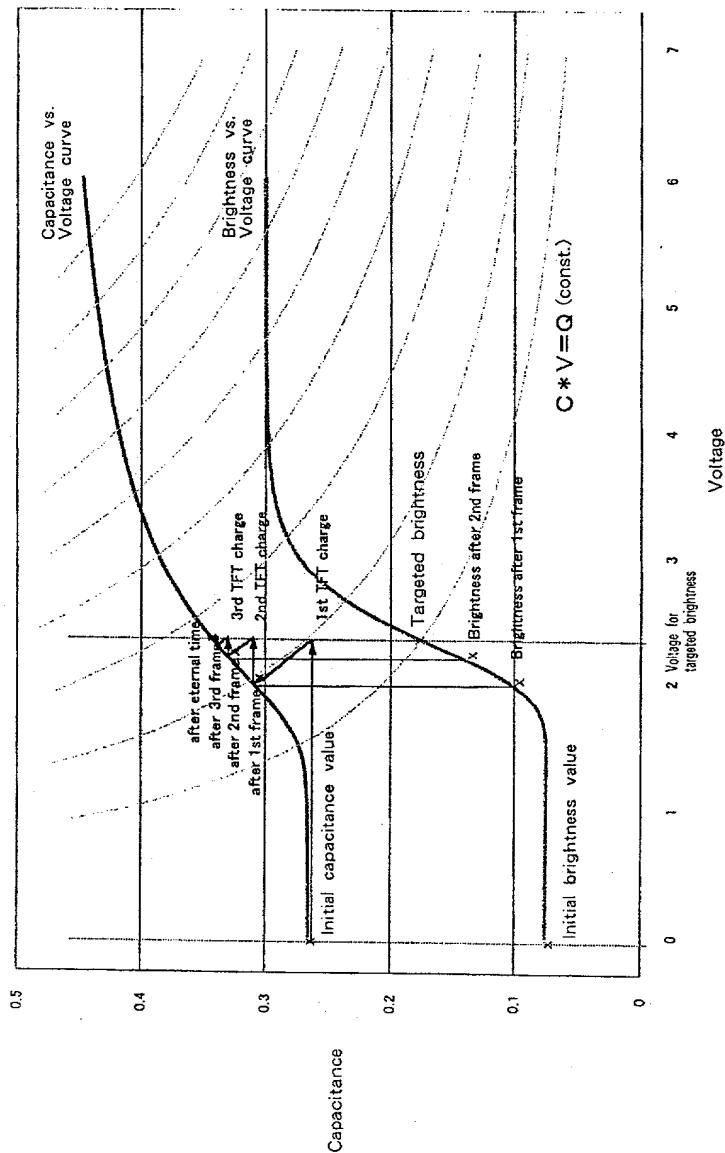
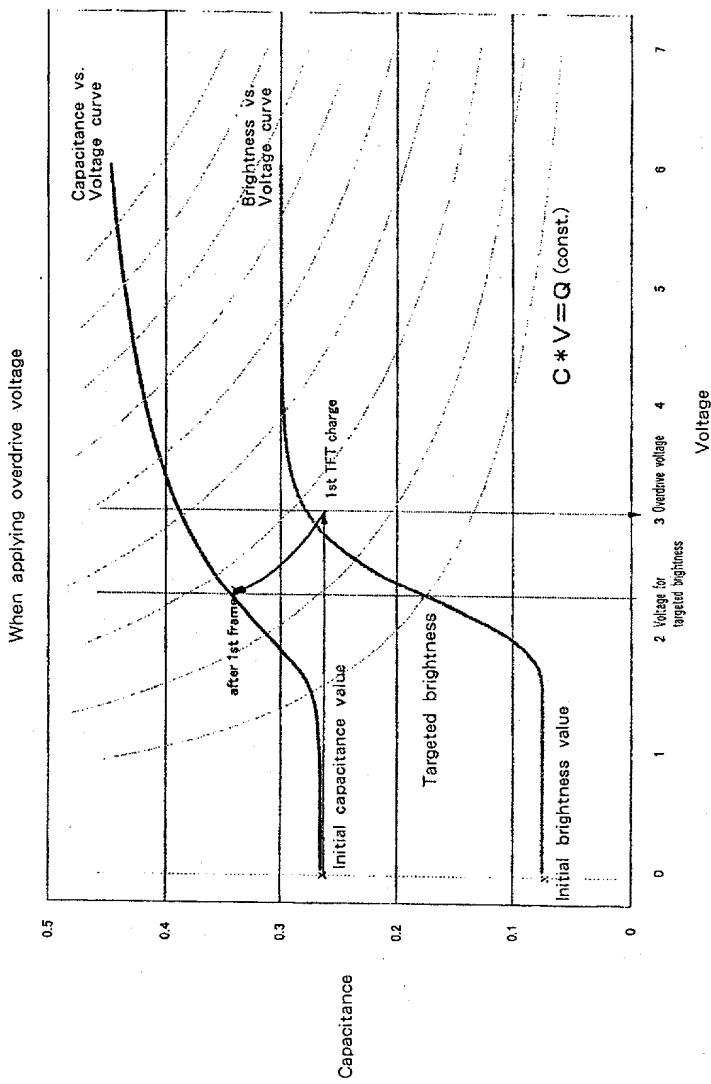


Fig. 2



3  
E

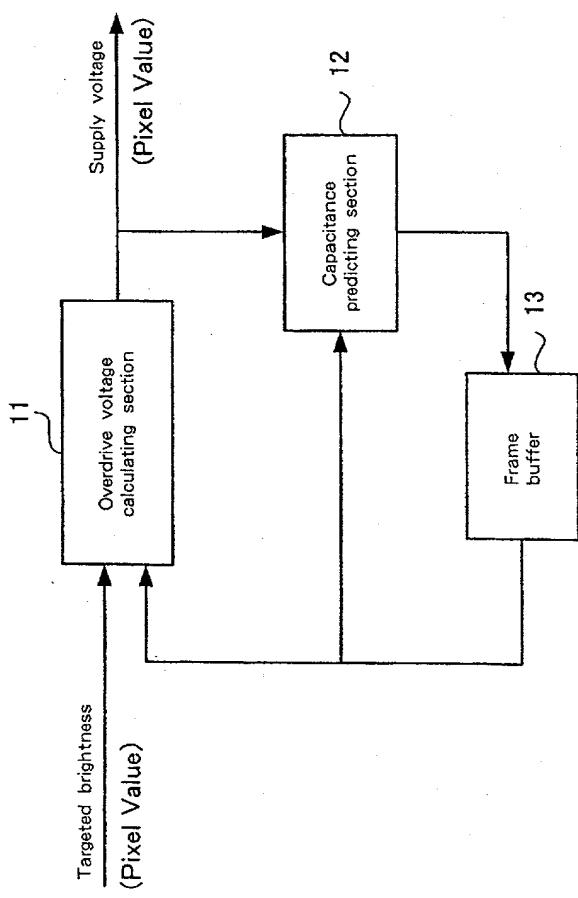


Fig. 4

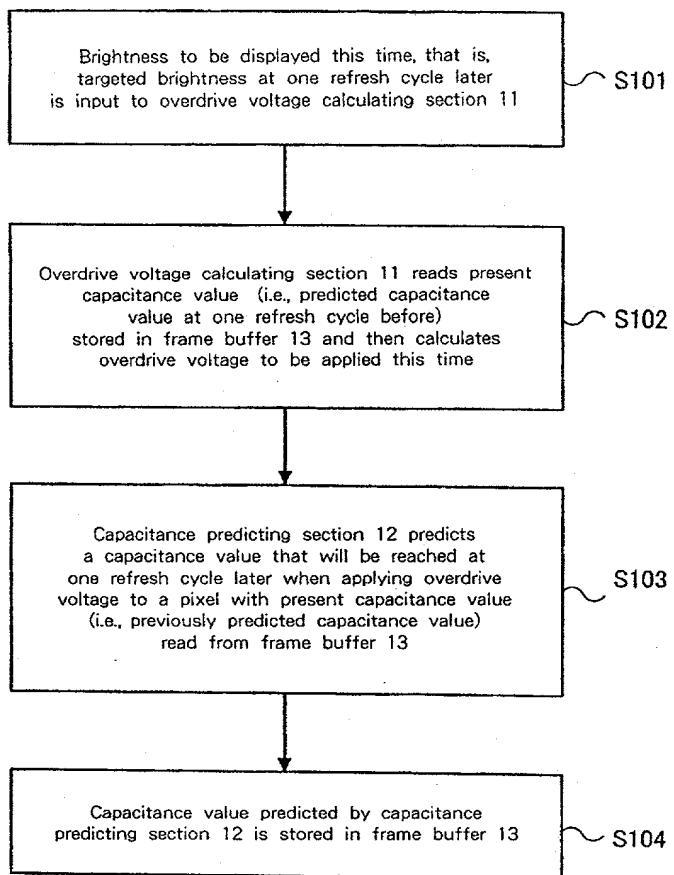


Fig. 5

|                    | Target level                                | level 0 | level 1 | level 2 | level 3 | level 4 | level 5 | level 6 | level 7 | level 8 |
|--------------------|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Static start level | Targeted brightness<br>Starting capacitance | 0.00084 | 0.01030 | 0.04735 | 0.11549 | 0.21812 | 0.35558 | 0.53084 | 0.74584 | 0.99995 |
| level 8            | 5.5530                                      | 7.9969  | 6.2088  | 5.3633  | 4.7434  | 4.3583  | 4.0163  | 3.7284  | 3.3490  | 1       |
| 1.2V               | 5.5836                                      | 7.9853  | 6.1556  | 5.3011  | 4.6908  | 4.3083  | 3.9500  | 3.6612  | 3.2703  | 1.5190  |
| 1.4V               | 5.6605                                      | 7.9546  | 6.0393  | 5.1786  | 4.5898  | 4.2147  | 3.8688  | 3.5410  | 3.1543  | 1.1244  |
| 1.6V               | 5.8839                                      | 7.8537  | 5.9457  | 4.9601  | 4.4310  | 4.0057  | 3.6906  | 3.3380  | 2.9389  | 1.0166  |
| 2.0V               | 7.2035                                      | 6.9652  | 5.3997  | 4.3980  | 3.8826  | 3.4630  | 3.1309  | 2.7736  | 2.3330  | 0       |
| level 7            | 7.8413                                      | 6.7616  | 4.9793  | 4.1777  | 3.6770  | 3.2896  | 2.9263  | 2.5856  | 2.1568  | 0       |
| level 6            | 8.5975                                      | 6.3884  | 4.7512  | 3.9271  | 3.4393  | 3.0598  | 2.7401  | 2.385   | 1.9596  | 0       |
| level 5            | 9.1804                                      | 5.9943  | 4.4998  | 3.7848  | 3.3111  | 2.9200  | 2.579   | 2.2487  | 1.7995  | 0       |
| level 4            | 9.6941                                      | 5.9067  | 4.3949  | 3.6299  | 3.1811  | 2.782   | 2.4674  | 2.1403  | 1.6869  | 0       |
| level 3            | 10.1912                                     | 5.7948  | 4.2666  | 3.4791  | 3.023   | 2.7102  | 2.3720  | 2.0355  | 1.5911  | 0       |
| level 2            | 10.7078                                     | 5.6447  | 4.0978  | 3.346   | 2.9358  | 2.5869  | 2.2742  | 1.9221  | 1.4946  | 0       |
| level 1            | 11.3424                                     | 5.4002  | 3.907   | 3.2696  | 2.8290  | 2.4518  | 2.1494  | 1.7938  | 1.3155  | 0       |
| level 0            | 12.1062                                     | 5       | 3.8051  | 3.0822  | 2.6795  | 2.3293  | 1.9869  | 1.6461  | 1.1323  | 0       |

Fig. 6

| Applied voltage<br>Starting capacitance | 0    | 1    | 2    | 2.5   | 3     | 4     | 5     | 6     | 7     | 8     |
|---|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| 5.52                                    | 5.54 | 5.66 | 5.96 | 6.74  | 9.23  | 10.62 | 11.33 | 11.78 | 12.11 |       |
| 5.55                                    | 5.53 | 5.55 | 5.74 | 6.14  | 7.05  | 9.39  | 10.66 | 11.34 | 11.79 | 12.12 |
| 6.45                                    | 5.70 | 5.85 | 6.72 | 7.62  | 8.60  | 10.12 | 11.02 | 11.59 | 11.99 | 12.30 |
| 7.84                                    | 5.93 | 6.24 | 7.53 | 8.48  | 9.36  | 10.62 | 11.38 | 11.88 | 12.25 | 12.53 |
| 8.60                                    | 6.05 | 6.42 | 7.86 | 8.81  | 9.65  | 10.83 | 11.54 | 12.02 | 12.37 | 12.64 |
| 9.69                                    | 6.22 | 6.69 | 8.29 | 9.23  | 10.02 | 11.09 | 11.75 | 12.19 | 12.52 | 12.78 |
| 10.71                                   | 6.38 | 6.94 | 8.65 | 9.56  | 10.30 | 11.30 | 11.91 | 12.33 | 12.65 | 12.89 |
| 11.74                                   | 6.59 | 7.22 | 8.98 | 9.85  | 10.55 | 11.48 | 12.06 | 12.46 | 12.76 | 12.99 |
| 12.11                                   | 6.67 | 7.33 | 9.09 | 9.94  | 10.62 | 11.54 | 12.11 | 12.50 | 12.80 | 13.02 |
| 13.54                                   | 7.04 | 7.74 | 9.45 | 10.25 | 10.88 | 11.73 | 12.26 | 12.64 | 12.91 | 13.13 |

Fig. 7